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25, 1996

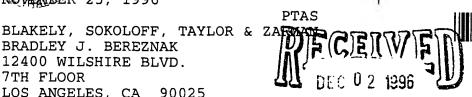
BRADLEY J. BEREZNAK

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LOS ANGELES, CA 90025

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

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P 3366

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 06/27/1996

REEL/FRAME: 8132/0141

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DULONG, CAROLE

DOC DATE: 01/18/1996

ASSIGNOR:

KOWASHI, EIICHI

DOC DATE: 01/24/1996

ASSIGNOR:

FISCHER, STEPHEN A.

DOC DATE: 04/26/1996

ASSIGNOR:

MENNEMEIER, LARRY M.

DOC DATE: 02/29/1996

ASSIGNOR:

PELEG, ALEXANDER D.

DOC DATE: 01/23/1996

ASSIGNOR:

MAYTAL, BENNY

DOC DATE: 01/21/1996

ASSIGNOR:

BUI, TUAN H.

DOC DATE: 01/24/1996

8132/0141 PAGE 2

ASSIGNOR:

EITAN, BENNY DOC DATE: 01/23/1996

ASSIGNOR:

MITTAL, MILLIND DOC DATE: 01/21/1996

ASSIGNEE:

INTEL CORPORATION

2200 MISSION COLLEGE BLVD. SANTA CLARA, CALIFORNIA 95052

SERIAL NUMBER: 08578829 FILING DATE: 12/26/1995

PATENT NUMBER: ISSUE DATE:

DOROTHY RILEY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

1996	-17 40
(Rev. 6-93)	-17-1996 J.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
OMB No. 0651-0011 (exp. 4/94) Tab settings ⇒ ⇒ □	Patent and Trademark Office
To the Honorable Commissioner of Patent	ginal documents or copy thereof.
Name of conveying party(ies):	eceiving party(ies):
Carole Dulong Larry M. Mennemeier Tuan H. Bui	Name: Intel Corporation
Eiichi Kowashi Alexander D. Peleg Benny Eitan Stephen A. Fischer Benny Maytal Millind Mittal	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of conveyance:	Street Address: 2200 Mission College Blvd.
Assignment Merger	
Security Agreement Change of Name	City Santa Clara State CA ZIP 95052
Other	
Execution Date:	Additional name(s) & address(es) attached?
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	on, the execution date of the application is:
A. Patent Application No.(s)	
	B. Patent No.(s) 75331 U.S. PTO
08/578,829	
Additional numbers atta	ached? ☐ Yes ■ No 09/17/96
, reduional numbers alle	ached? Yes No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
D1.1.1. G.1.1.65. T. 1. 6. T. 1.	
Name: Blakely, Sokoloff, Taylor & Zafman	7. Total fee (37 CFR 3.41)\$ 40.00
Internal Address:	■ Enclosed
Street Address: 12400 Wilshire Blvd.	Authorized to be charged to deposit account
7th Floor	8. Deposit account number:
City: Los Angeles State: CA ZIP: 90025	02-2666
	(Attach duplicate copy of this page if paying by deposit account)

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Date

Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached

Total number of pages comprising cover shee / attachments, and document:

Attorney Docket No.: 42390.P3366

9. Statement and signature.

copy is a true copy of the original document.

Bradley J. Bereznak
Name of Person Signing

LJV/ccm (01/31/96)

In consideration of goo	d and valuable consideration, the receipt of which	is hereby acknowledged,,
the undersigned, <u>Carole Dulor</u>	ng, Larry M. Mennemeier, Tuan H. Bui, Eiichi Kow	ashi, Alexander D. Peleg, Benny
Eltan, Stephen A. Fischer, Benny	Maytal, and Millind Mittal	
hereby sell, assign, and transfer to	Intel Corporation	
a corporation ofDelaware	having a principal place of busing	ess at
toreign countries, in and to any that has been executed by the u entitled	d. Santa Clara. CA 95052 Id legal representatives, the entire right, title, and all improvements that are disclosed in the sundersigned prior hereto or concurrently herewith SNAL PROCESSING USING MULTIPLY-A	pplication for the United States patent on the dates indicated below and is
A SYSTEM FOR SIG	SNAL PROCESSING USING MULTIPLY-A	DO OPERATIONS
applications that have been or simprovements; and in and to all and all foreign countries on said United States application; agree that said Assign name; and that, when requeste and legal representatives, to ca execute all divisional, continuin improvements; execute all right Assignee, its successors, assigning representatives in securing and said improvements, and all app successors, assigns, and legal covenant with said As grant, mortgage, license, or oth	and all divisional, continuing, substitute, renewal, shall be filed in the United States and all foreign I original and reissued patents that have been or it improvements; and in and to all rights of priority ee may apply for and receive a patent or patents do, without charge to, but at the expense of, saiding out in good faith the intent and purpose of the g, substitute, renewal, reissue, and all other pateful oaths, assignments, powers of attorney, and fund oaths, assignments, powers of attorney, and instance, and generally assist said Assignee, its imaintaining proper patent protection for said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents and all patents on said important in the patents of	countries on any of said shall be issued in the United States resulting from the filing of said for said improvements in its own Assignee, its successors, assigns, s Assignment, the undersigned will ent applications on any and all said other papers; communicate to said indersigned relating to said successors, assigns, or provements and for vesting title to overments, in said Assignee, its
Each Inventor: Plea	ase Sign <u>and Date</u> Below:	Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:
Jan 18 19 96	Carl haland	Jan 18 10 96
Date 2-29 19 94, Date	Name: Carole Dulong Samy M Manument Name: Larry M. Mennemeier	Jan 18 19 96 Date 2 - 29 19 96 Date
Date 19	Name: Tuan H. Bui	,19
, 19 Date	Name: Eiichi Kowashi	, 19
, 19 <u>.</u>	Name: Alexander D. Peleg	,19
, 19	Name: Benny Eitan	Date 19
, 19 Date	Name: Stephen A. Fischer	Date
Date 19	Name: Benny Maytal	Date 19
Date Date	Name: Millind Mittal	Date

(i) (i)

In consideration of good and valuable consideration, the receipt of wh	
the undersigned, <u>Carole Dulong, Larry Mennemeier, Tuan H. Bui, Eiichi Ko</u>	washi, Alexander D. Pelec, Benny Eitan.
Stephen A. Fischer, Benny Maytal, and Millind Mittal	
hereby sell, assign, and transfer to <u>Intel Corporation</u>	
a corporation of <u>Delaware</u> having a principal place of b	usiness at
2200 Mission College Boulevard, Santa Clara, CA 95052 and its successors, assigns, and logal representatives, the entire right, title, foreign countries, in and to any and all improvements that are disclosed in it that has been executed by the undersigned prior hereto or concurrently here entitled A SYSTEM FOR SIGNAL PROCESSING USING MULTIPLY	with on the dates indicated below and is
A SYSTEM FOR SIGNAL FROOLOGING WOLLD	
and in and to said application and all divisional, continuing, substitute, renew applications that have been or shall be filed in the United States and all fore improvements; and in and to all original and reissued patents that have been and all foreign countries on said improvements; and in and to all rights of prival United States application; agree that said Assignee may apply for and receive a patent or path name; and that, when requested, without charge to, but at the expense of, and legal representatives, to carry out in good faith the intent and purpose of execute all divisional, continuing, substitute, renewal, reissue, and all other improvements; execute all rightful oaths, assignments, powers of attorney, Assignee, its successors, assigns, and representatives all facts known to timprovements and the history thereof; and generally assist said Assignee, representatives in securing and maintaining proper patent protection for said said improvements, and all applications for patents and all patents on said is successors, assigns, and legal representatives; and covenant with said Assignee, its successors, assigns, and legal regrant, mortgage, license, or other agreement affecting the rights and proper others by the undersigned, and that full right to convey the same as herein undersigned.	on continuous continuous and nor shall be issued in the United States ority resulting from the filling of said ents for said improvements in its own said Assignee, its successors, assigns, if this Assignment, the undersigned will patent applications on any and all said and other papers; communicate to said he undersigned relating to said its successors, assigns, or of improvements and for vesting title to mprovements, in said Assignee, its
Each Inventor: Please Sign <u>and Date</u> Below:	Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:
Date Name: Carole Dulong	Date
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Date Name: Eiichi Kowashi	, 19
Date Name: Alexander D. Peleg	, 19 Date
Date Name: Benny Eitan	
Date Name: Stephen A. Fischer	
Date Name: Benny Maytal	Date
Date Name: Millind Mittal	Date

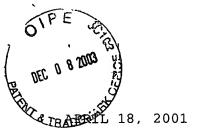
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and its successiforeign countries that has been exentitled	ors, assigns, s, in and to a xecuted by th	vard. Santa Clara. CA 95052 and legal representatives, the end all improvements that are undersigned prior hereto or co	e disclosed in the appointmently herewith o	interest for the Unit plication for the Unit in the dates indicate	ted States patent ed below and is
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Each Inver		ease Sign <u>and Date</u>	Below:	POWER OF A	TTORNEY:
Date	, 19	Name: Carole Dulong		Date	19
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Date	, 19	Name: Benny Maytal		Date	_, 19
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Date	, 19	Name: Millind Mittal		Date	. 19
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In consideration of	f good and valuable consideration	on, the receipt of which i	s hereby acknowledge	od,
the undersigned, <u>Carole Dulong, Larry M. Mennemeier, Tuan H. Bui, Eiichi Kowashi, Alexander D. Peleg, Benny</u>				
Eitan, Stephen A. Fischer, Be	enny Maytal, and Millind Mittal	<u>-</u>		
hereby sell, assign, and transfe	er to <u>Intel Corporation</u>			
a corporation of <u>Delaware</u>	, having a	a principal place of busines	ss at	
and its successors, assign foreign countries, in and to that has been executed by entitled	levard, Santa Clara, CA 95052 s, and legal representatives, th any and all improvements that the undersigned prior hereto or SIGNAL PROCESSING US	are disclosed in the appropriate appropriate appropriate to the concurrently herewith a concurrent larger a concurrent	interest for the United plication for the United on the dates indicated	d States natent
applications that have beer improvements; and in and the and all foreign countries on United States application; agree that said As name; and that, when requand legal representatives, the execute all divisional, contimprovements; execute all Assignee, its successors, a improvements and the historepresentatives in securing said improvements, and all successors, assigns, and I covenant with said grant, mortgage, license, or	on and all divisional, continuing or shall be filed in the United to all original and reissued pate said improvements; and in and ested, without charge to, but a co carry out in good faith the intuining, substitute, renewal, reisinghtful oaths, assignments, possigns, and representatives allory thereof; and generally assigned maintaining proper patent applications for patents and allegal representatives; and dissignee, its successors, assigneement affecting the and that full right to convey the	States and all foreign conts that have been or stail to all rights of priority reve a patent or patents for the expense of, said Assue, and all other patent wers of attorney, and of I facts known to the uncontrol of the patents on said improvements and property here	puntries on any of said nall be issued in the U esulting from the filing or said improvements assignee, its successor Assignment, the under tapplications on any atterpapers; communitersigned relating to successors, assigns, or overments and for vesements, in said Assignation conveyed has been seed is possessed by the table of table	nited States of said in its own ors, assigns, rsigned will and all said cate to said said ting title to nee, its gnment, n made to the
Each Inventor: P	Please Sign <u>and Dat</u>	e Below:	DECLARATION POWER OF ATT	
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Date	Name: Carole Dulong		Date	
, 19 Date	Name: Larry M. Menn	emeier	Date	19
, 19 Date	Name: Tuan H. Bui		Date	19
, 19 Date	Name: Eiichi Kowashi		Date	19
23 January, 19 96 Date	Name: Alexander D. F	Peleg	23 January.	19 <u>96</u>
23 Jun 1996 Date	Name: Benny Eitan		23 Jan Date	19 <u>96</u>
, 19 Date	Name: Stephen A. Fis	scher	Date	19
, 19 Date	Name: Benny Maytal		Date	19
, 19 Date	Name: Millind Mittal		Date	19

In consideration	of good and valuable conside	eration, the receipt of whi	ich is hereby acknowle	dged.
	e Dulong, Larry Mennemeier			
Stephen A. Fischer, Benny				
hereby sell, assign, and trans	sfer to <u>Intel Corporation</u>			
a corporation of <u>Delaware</u>	, hav	ring a principal place of bus	siness at	
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4/26 , 19 76 Date	Name: Stephen A	. Fischer		_, 19 <u><i>96</i></u>
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an consideration of good and valuable consideration, the receipt of which is	
the undersigned, <u>Carole Dulono, Larry M. Mennemeier, Tuan H. Bui. Elichi Kowas</u>	hi. Alexander D. Peleo, Benny
Elten, Stechen A. Fischer, Benny Maytal, and Millind Mittal	
hereby sell, assign, and transfer to <u>Intel Corporation</u>	
a corporation of Delaware having a principal place of busines	\$ #
2200 Mission Cofege Boulevard, Santa Clara, CA 95052 and its successors, assigns, and legal representatives, the entire right, title, and foreign countries, in and to any and all improvements that are disclosed in the approvements are disclosed in the approvement are	plication for the United States patent in the dates indicated below and is
and in and to said application and all divisional, continuing, substitute, renewal, re applications that have been or shall be filed in the United States and all foreign co-improvements; and in and to all original and reissued patents that have been or shand all foreign countries on said improvements; and in and to all rights of priority re United States application; agree that said Assignee may apply for and receive a patent or patents for name; and that, when requested, without charge to, but at the expense of, said A and legal representatives, to carry out in good faith the intent and purpose of this a execute all divisional, continuing, substitute, renewal, reissue, and all other patent improvements; execute all rightful oaths, assignments, powers of attorney, and of Assignee, its successors, assigns, and representatives all facts known to the und improvements and the history thereof; and generally assist said Assignee, its surpresentatives in securing and maintaining proper patent protection for said improvements, and all applications for patents and all patents on said improvements, and all applications for patents and all patents on said improvements and with said Assignee, its successors, assigns, and legal representatives; and covenant with said Assignee, its successors, assigns, and legal representatives; and covenant with said Assignee, its successors, assigns, and legal representatives by the undersigned, and that full right to convey the same as herein expresentations.	untries on any of said hall be issued in the United States souting from the filing of said or said improvements in its own ussignee, its successors, assigns, Assignment, the undersigned will applications on any and all said their papers; communicate to said dersigned relating to said coessors, assigns, or ovements and for vesting title to ements, in said Assignee, its entatives that no assignment, ein conveyed has been made to
Each Inventor: Please Sign <u>and Date</u> Below:	Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:
Jan 18 19 96 (arrile Dulong Jones 19 96 Name: Carole Dulong Jones Name: Larry M. M. Monnemeier	Jan 18 19 96 Date 2-29 19 96 Date
Date Name: Tuan H. Bui	Date 19
Date Name: Eiichi Kowashi	Date
Date Name: Alexander D. Peleg	Date19
Date Name Stephen A. Fischer Name Stephen A. Fischer Name Benny Maytal Name Millind Mittal	Date 6.18.96.19 Date 19.46 Date





UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER

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Washington, D.C. 20231

APR 2 7 2001

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN
WILLIAM THOMAS BABBITT
112400 WILSHIRE BOULEVARD TERESON AND
LOS ANGELES, CA 90025

APR 2 7 2001

CORRECTED NOTICE

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/15/2000

REEL/FRAME: 011365/0917

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHEN, YEN-KUANG

DOC DATE: 11/10/2000

ASSIGNOR:

YU, NICHOLAS H.

DOC DATE: 11/02/PECEIVED

ASSIGNEE:

INTEL CORPORATION

2200 MISSION COLLEGE BOULEVARD SANTA CLARA, CALIFORNIA 95052 Technology Center 2100

DEC 1 0 2003

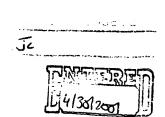
SERIAL NUMBER: 09676556

PATENT NUMBER:

FILING DATE: 09/30/2000

ISSUE DATE:

DOROTHY BASMA, PARALEGAL ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



04-17-2001

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FORM PTO-1595 Recordatic Rev. 6-93) DMD No. 0651-0011 (exp. 4/94) PATENT	101647821 TOF COMMERCE
To the Honorable Commissioner of Patents and Trademarks. Please	a record the attached original documents or copy thereof.
To the Honorable Commissioner of Patents and Tracernaics. Please 1. Name of conveying party(ies):	2. Name and address of receiving party(les):
Yen-Kuang Chen; Nicholas H. Yu	Name: Intel Corporation
	1
•	Internal Address:
Additional name(s) of conveying party(ies) attached? ☑ No ☐ Yes	
3. Nature of Conveyance: ☑ Assignment ☐ Merger	Street Address: 2200 Mission College Boulevard
☐ Security Agreement ☐ Change of Name	City: Santa Clara State: CA ZIP: 95052
_	Additional name(s)& address(es) attached?- Abo
Execution Date:	Additional name(s)a address(es) allaction
4. Application number(s) or patent number(s): If this document is being filed together with a new s A. Patent Application No.(s) 09/676,556 Additional num	
Name and address of party to whom correspondence concerning document should be mailed: Name: Blakely, Sokoloff, Taylor & Zafman	6. Total number of applications and patents involved: 7. Total Fee (37 CFR 3.41)\$ 40.00
Internal Address:Street Address: 12400 Wilshire Boulevard, 7th Floor	
City: Los Angeles State: CA ZIP: 90025	8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)
DO NOT	USE THIS SPACE
William Thomas Babbitt, Reg. No. 39,591 Name of Person Signing	Signature Over sheet, attachments, and document: Signature S
Mail documents to be recor	ded with required cover sheet information to:

Assistant Commissioner of Patents, Box Assignments Washington, D.C. 20231

Attorney Docket No. <u>042390.P8657</u> (5/27/1997) 12/28/2000 JJALLAH2 00000067 09676556

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40.00 OP

PATENT

REEL: 011365 FRAME: 0917

ASSIGNMENT

3108205988

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Yen-Kuang Chen; Nicholas H. Yu

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of <u>Delaware</u>, having a principal place of business at <u>2200 Mission College</u>
<u>Boulevard. Santa Clara. California</u> <u>95052</u>, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the UnitedStates patent that was filed <u>September 30</u>, 2000, and assigned Application No. <u>09/676,556</u> and is entitled:

AN EFFICIENT IMPLEMENTATION OF N-POINT DCT, N-POINT IDCT, SA-DCT AND SA-1DCT ALGORITHMS

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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Each Inventor: Please Sign and Date Below:

Date:	Name: Yen-Kuang Chen
2 Nov 2000 Date:	Name: Nicholas H. Xu
Date:	Name:

Assignment Document Return Address;
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
Telephone: (310) 207-3800



Fach Inventor Please Sign and Date Below:

11/10/00 Date:	Name Yen-Kuang Chen	
Date:	Name: Nicholas H. Yu	
Date:	Name:	
Date:	Name:	
Date:	Name:	•
Date:	Name:	•
Date:	Name:	-
Date:	Name:	-
Date:	Name:	-

Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN 12400 Wilshire Bivd., Seventh Floor Los Angeles, CA 90025-1026 Telephone: (310) 207-3800

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